PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION FA06-449PCT See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2006/301293 27,01,2006 31.01.2005 International Patent Classification (IPC) or both national classification and IPC Applicant JAPAN SCIENCE AND TECHNOLOGY AGENCY This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Date of completion of this opinion Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2006/301293

| Box | x No. I | Basis of this opinion | |
|-----|-------------|--|------------------------------|
| 1. | With | h regard to the language, this opinion has been established on the basis of: | |
| | \boxtimes | the international application in the language in which it was filed | |
| | | the translation of the international application into | , which is the language of a |
| | | translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)). | |
| 2. | | h regard to any nucleotide and/or amino acid sequence disclosed in the international application a intion, this opinion has been established on the basis of: | and necessary to the claimed |
| | a. | type of material | |
| | | a sequence listing | |
| | | table(s) related to the sequence listing | |
| | b. | format of material | |
| | | on paper | |
| | | in electronic form | |
| | c. | time of filing/furnishing | |
| | C. | | |
| | | contained in the international application as filed | |
| | | filed together with the international application in electronic form | |
| | | furnished subsequently to this Authority for the purposes of search | |
| 3. | | In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relatively furnished, the required statements that the information in the subsequent or additional copies is identically filed or does not go beyond the application as filed, as appropriate, were furnished. | |
| 4. | Add | litional comments: | |
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International application No.
PCT/JP2006/301293

| Statement | ations supporting such statement | industrial applicability; |
|--|--|---|
| | | |
| Novelty (N) | Claims 1-5 | YES |
| | Claims | |
| Inventive step (IS) | Claims 1-5 | YES |
| | Claims | |
| Industrial applicability (IA) | Claims 1-5 | YES |
| | Claims | |
| Citations and explanations: | | |
| The subject matters of documents 1-3. Documents 1-3 describ compounds, wherein a sil mixed solvent of water ar ligand consisting of a chi | elaims 1-5 appear to be novel and to involve an inverse neither the manufacturing method of optically-action enolate is reacted with formaldehyde in either and an organic solvent in the presence of a catalyst of all bipyridine or an antipode thereof with a Lewis at the om, OAc, OCOCF ₃ , ClO ₄ , SbF ₆ , PF ₆ or OSO ₂ CF ₃), | tive hydroxymethylated an aqueous solution or a btained by mixing a acid represented as BiY ₃ |